

This listing of claims will replace all prior versions of claims in the Application.

Listing of Claims

Claim 1. (Currently Amended) A composite material having metal at the surface of a resin base, obtained by subjecting the surface of a resin base to an ion exchange group introduction treatment, treating the surface of said resin base with liquid containing metal ions to introduce metal ions, and then reducing said metal ions, said composite material being characterized in that the resin base and metal of said composite material are hot-pressed to provide a binding strength between the resin base and metal of 5 N/cm or greater.

Claim 2. (Original) The composite material according to Claim 1, wherein the ion exchange group introduction treatment is carried out by plasma treatment or ion exchange group introduction agent treatment.

Claim 3. (Canceled)

Claim 4. (Previously Presented) The composite material according to Claim 1, wherein the metal is a metal selected from the group consisting of V, Cr, Mn, Fe, Co, Ni, Cu, Ga, As, Se, Mo, Ru, Rh, Pd, Ag, Cd, In, Sb, Te, Os, Ir, Pt, Au, Hg, Pb, Bi and alloys thereof.

Claim 5. (Previously Presented) The composite material according to Claim 1, wherein the hot-pressing step is carried out under conditions of a temperature of 100-300°C, a pressure of 490-2450 N/cm² and a time of 5-30 min.

Claim 6. (Canceled)

Claim 7. (Previously Presented) The composite material according to Claim 1, wherein the composite material is subjected to a plating treatment prior to hot-pressing.

Claim 8. (Withdrawn) A method for forming a composite material with improved binding strength between resin base and metal, which comprises (1) subjecting a resin base surface to an ion exchange group introduction treatment, (2) treating the surface of said resin base with a liquid containing metal ions in order to introduce metal ions, (3) reducing said metal ions to form a composite material having metal at the surface of the resin base, and (4) hot-pressing the metal and resin base of said composite material.

Claim 9. (Withdrawn) The method according to Claim 8, wherein the composite material is subjected to a plating treatment after step (3) and/or after step (4).

Claim 10. (Withdrawn) The method of claim 8 wherein the ion exchange group introduction treatment is carried out by plasma treatment or ion exchange group introduction agent treatment.

Claim 11. (Withdrawn) The method of claim 8 wherein the composite material has a binding strength between the resin base and metal of 5 N/cm or greater.

Claim 12. (Withdrawn) The method of claim 8 wherein the metal is a metal selected from the group consisting of V, Cr, Mn, Fe, Co, Ni, Cu, Ga, As, Se, Mo, Ru, Rh, Pd, Ag, Cd, In, Sb, Te, Os, Ir, Pt, Au, Hg, Pb, Bi and alloys thereof.

Claim 13. (Withdrawn) The method of claim 8 wherein the hot-pressing step is carried out under conditions of a temperature of 100-300°C, a pressure of 490-2450 N/cm² and a time of 5-30 min.

Claim 14. (Canceled)